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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/662,307	09/15/2003	Michael J. Rocke	80107.078US1	1799
45445 7590 09/10/2007 LeMOINE PATENT SERVICES, PLLC			EXAMINER	
C/O INTELLEVATE			MERCADO, JULIAN A	
P. O. BOX 52050 MINNEAPOLIS, MN 55402			ART UNIT	PAPER NUMBER
		·	1745	
	•		MAIL DATE	DELIVERY MODE
			09/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/662,307	ROCKE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Julian Mercado	1745				
The MAILING DATE of this communication app	pears on the cover sheet wi	th the correspondence address				
Period for Reply	VIO OET TO EVEIDE AM	ONTHIC) OR THIRTY (20) DAVE				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIO (36(a). In no event, however, may a r will apply and will expire SIX (6) MON a, cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 21 J	<u>une 2007</u> .					
2a) This action is FINAL . 2b) ☐ This	This action is FINAL . 2b)⊠ This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under l	Ex parte Quayle, 1935 C.D	o. 11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1,5,6,9-11,14,18-20,22,23 and 27-29</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1,5,6,9-11,14,18-20,22,23 and 27-29</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
11) Ine oath or declaration is objected to by the E.	xaminer. Note the attached	d Office Action of form P10-132.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreigra) All b) Some * c) None of:	n priority under 35 U.S.C. §	§ 119(a)-(d) or (f).				
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
See the attached detailed office action for a list	. Of the defined deplet her	Toodivou.				
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) s)/Mail Date				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 2007-06-21. 		nformal Patent Application				

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on June 21, 2007 has been entered.

Claim Rejections - 35 USC § 112

The rejection of claims 15, 18 and 19 under 35 U.S.C. 112, first paragraph, is deemed moot in view of the cancellation of claim 15 (from which claims 18 and 19 depend).

Claim Rejections - 35 USC § 112

The rejection of claims 14, 15, 18, 19 and 27-29 under 35 U.S.C. 112, second paragraph has been withdrawn.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 18 and 19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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Claims 18 and 19 depend from claim 15, which has been cancelled. Thus, the scope of claims 18 and 19 are indefinite.

Claim Rejections - 35 USC § 102 and 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1, 5, 6 and 23 are rejected under 35 U.S.C. 102(b) as being anticipated by Keskula et al. (U.S. Pat. 6,406,806 B1).

Claims 9, 10, 11 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Keskula et al.

The rejection is maintained for the reasons of record. The examiner notes the amendment to the present claims now reciting that the controller is operatively coupled so as to select one of the fuel cell or the battery as a power source. As discussed in the prior Office action, Keskula et al. is maintained to teach providing power from the *battery* only, insofar as in a rapid stop or shutdown condition, "the load on the [fuel cell] stack is removed", or in the "limp home" scenario described in col. 11 lines 43-48. See also col. 9 lines 39-52 and col. 11 line 9 et seq. Accordingly, it is asserted that in Keskula et al. the providing power step is derived from the battery.

Claim 20 is rejected under 35 U.S.C. 102(e) as being anticipated by Colborn et al. (U.S. Pat. 6,787,259 B2).

Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Colborn et al.

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The rejection is maintained for the reasons of record which is herein incorporated by reference. Focusing on the present amendment and applicant's salient arguments, the examiner notes the amendment to the present claims now reciting that the power multiplexer <u>provide[s]</u> <u>power from the battery</u>. In Colborn et al., "[a]t time T0, the initial power fails at the site and batteries begin backing up the whole load..." whereby "line 302 indicates that the battery bank is providing support to the entire load and the fuel cell controller is sensing a drop off in voltage on the DC bus." See col. 7 line 29 et seq.

Claims 23 and 27-29 are rejected under 35 U.S.C. 102(e) as being anticipated by Gore (U.S. Pat. 6,855,443 B2)

As discussed in a prior Office action, Gore teaches an electronic system comprising a removable fuel cell [222] a secondary power source such as a battery (specifically disclosed as not shown) a controller [212] and a load device that includes an antenna [214]. See col. 6 line 39 et seq. It is asserted that the electronic system, being a digital device such as a laptop, includes a computer.

As to the controller to multiplex the fuel cell and secondary power source, Gore specifically discloses that the battery provides "power to the initial transfer of fuel to the electrochemical cell." (ib.) which is considered effected by the aforementioned controller [212]. Accordingly, it is asserted that the power multiplexer selects one of the fuel cell or the battery as the power source.

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Response to Arguments

Applicant's arguments filed with the present amendment have been fully considered but they are not persuasive. It is asserted that the power multiplexers taught or at least suggested by the prior art provide power from one of the fuel cell or battery at a time, insofar as either of the fuel cell or battery is specifically selected for operation thereby.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julian Mercado whose telephone number is (571) 272-1289. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

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PATTICK JOSEPH RYAN SUPERIOLOGY FERT EXAMINER